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TO: Examiner Enrique L. Santiago  
PHONE: 703-306-5908  
FAX: 703-872-9306  
RE: 10/085,487  
ATTY REF: TD-171

FROM: N. Elizabeth Pham  
PAGES: 16  
DATE: August 31, 2004  
CC: \_\_\_\_\_

Please see the attached Statement and Evidence of Common Ownership, along with supporting documentation (photocopies relating to above-referenced application as well as U.S. Patent Application No. U.S 2003/012824 (Attorney Docket TD-164)).

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: :  
Baldwin : Art Unit: 2671  
AN 10/085,487 : Examiner: Santiago, Enrique L.  
Filed: 02/27/2002 : Atty's Docket: TD-171  
For: Tile Relative Origin for Plane Equations (confirmation no. 5725)

STATEMENT AND EVIDENCE OF COMMON OWNERSHIP  
REQUIRED BY 35 U.S.C. 103(c)

Honorable Commissioner of Patents and Trademarks  
Alexandria, VA 22313

Sir:

The present application (U.S. Patent Application Publication No. US 2002-0130863 A1, Attorney Docket TD-171) and *Laws et al.* U.S. Patent Application Publication No. US 2003/0128204 A1 (Attorney Docket TD-164) were, at the time the invention of the present application was made, owned by the same company, 3DLabs, Inc.

According 35 U.S.C. 103(c):

*Subject matter developed by another person, which qualifies as prior art only under one or more of subsections (e), (f), and (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.*

MPEP 706.02(1)(2), states:

*Applications and references (whether patents, patent applications, patent application publications, etc.) will be considered by the examiner to be owned by, or subject to an obligation of assignment to the same*

*Statement and Evidence of Common Ownership – Serial No. 10/085,487.....Page 1*

*person, at the time the invention was made, if the applicant(s) or an attorney or agent of record makes a statement to the effect that the application and the references were, at the time the invention was made, owned by, or subject to an obligation or assignment to, the same person. ...*

*Applicants may, but are not required to, submit further evidence, such as assignment records, affidavits or declarations by the common owner, or court decisions, in addition to the above-mentioned statement concerning common ownership.*

Both applications, filed within days from one another, arose from a common group of inventors who were all employed by 3DLabs Inc., Ltd., and were all legally obligated to assign their respective inventions to 3DLabs Inc., Ltd., at the time the inventions were made.

This common ownership is further evidenced by the enclosed application cover sheets submitted with the original applications, the assignment documents of both applications that have been filed with the USPTO, as well as the patent assignment abstracts of title from PAIR for both applications. Therefore, it is respectfully requested that *Laws et al.* U.S. Patent Application Publication No. US 2003/0128204 A1 be removed as prior art with respect to the present application under 35 U.S.C. 103(c).

Respectfully submitted,



N. Elizabeth Pham, Reg.No. 49,042

**Customer Number 29106**

Attorney for Applicant

Groover & Holmes  
One Galleria Tower, Suite 1370  
13355 Noel Road  
Dallas TX 75240  
972-980-5840, fax -5841

30 August 2004

*Statement and Evidence of Common Ownership – Serial No. 10/085,487.....Page 2*

---

# Tile Relative Origin for Plane Equations

---

U.S. Patent Application of:

David R. Baldwin,

Inventor

3Dlabs Inc., Ltd.,

Assignee

Attorney's Docket No. TD-171

Robert Groover, REG.PAT.ATTY.



UNITED STATES

PATENT AND

TRADEMARK OFFICE

JULY 09, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

ROBERT GROOVER  
17000 PRESTON RD. #230  
DALLAS, TX 75248



\*102084067A\*

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JUL 15 2002

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RECORDATION DATE: 05/01/2002

REEL/FRAME: 012861/0147  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

BALDWIN, DAVID R.

DOC DATE: 04/11/2002

## ASSIGNEE:

3DLABS INC., LTD.  
REID HALL  
HAMILTON HM11, BERMUDA

SERIAL NUMBER: 10085487

FILING DATE: 02/27/2002

PATENT NUMBER:

ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PT0-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

05-09-2002

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Patent and Trademark Office

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102084067

and the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

David R. Baldwin

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 4/11/02

## 2. Name and address of receiving party(ies):

Name: 3Dlabs Inc., Ltd.

Address: Reid Hall, Hamilton HM11, Bermuda

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: (Atty.Docket TD-171)

A. Patent Application No.(s)

10/085,487

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Robert Groover

17000 Preston Rd. #230,

Dallas TX 75248

(972) 380-6333

## 6. Total number of applications and patents

involved:

1

## 7. Total fee (37 CFR 3.41).....\$40

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

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05/03/2002 SDENB081 00000073 10085487

03 FC:581

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### ASSIGNMENT

As a below-named inventor of the U.S. patent application entitled **Tile Relative Origin for Plane Equations**, which names an inventorship of David Robert Baldwin, and which was filed 02/27/2002 (MM/DD/YY) and received Serial No. **10/085,487**, I hereby sell, assign and transfer to **Reid Hall, Hamilton HM11, Bermuda, 3Dlabs Inc., Ltd.**, (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, re-examination or reissue thereof or any legal equivalent thereof in any foreign country for the full term or terms of which the same may be granted, and specifically including the right to file foreign applications and claim priority therefor under the provisions of any convention or treaty;

and I also hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

AND I HEREBY AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on said invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor's Name: David Robert Baldwin

Signature: D. Baldwin

Residence Address: Briarside, Gower Road, Weybridge, Surrey KT13 0H, U.K.

Today's Date, and Date Application Signed: 11 April 2002

11 April 2002



PAIR : PAIR: Assignments Data

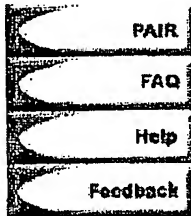
Page 1 of 1



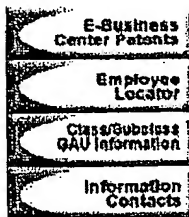
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## PATENT APPLICATION INFORMATION RETRIEVAL



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## Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 10085487 Filing Dt: 02/27/2002

Patent #: NONE

Issue Dt:

PCT #: NONE

Publication #: US20020130863

Pub Dt: 09/19/2002

Inventor: David Robert Baldwin

Title: Tile relative origin for plane equations

Assignment: 1

Reel/Frame: 012861/0147 Received: 05/09/2002

Recorded: 05/01/2002

Mailed: 07/09/2002

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: BALDWIN, DAVID R.

Exec Dt: 04/11/2002

Assignee: 3DLABS INC., LTD.

REID HALL

HAMILTON HM11, BERMUDA

Correspondent: ROBERT GROOVER

17000 PRESTON RD. #230

DALLAS, TX 75248

Search Results as of: 8/30/2004 11:48:31 A.M.

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<b>TO:</b>	<u>Examiner Enrique L. Santiago</u>	<b>FROM:</b>	<u>N. Elizabeth Pham</u>
<b>PHONE:</b>	<u>703-306-5908</u>	<b>PAGES:</b>	<u>15</u>
<b>FAX:</b>	<u>703-872-9306</u>	<b>DATE:</b>	<u>August 31, 2004</u>
<b>RE:</b>	<u>10/085,487</u>	<b>CC:</b>	<u></u>
<b>ATTY REF:</b>	<u>TD-171</u>		

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---

# Rasterizer Edge Function Optimizations

---

U.S. Patent Application of:

Philip R. Laws,  
Jon Worthington,

Inventor

Inventor

3Dlabs Inc., Ltd.,

Assignee

Attorney's Docket No. TD-164

Robert Groover, REG.PAT.ATTY.



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JULY 18, 2002

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Washington, DC 20231  
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RECORDATION DATE: 05/10/2002

REEL/FRAME: 012897/0460  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
LAWS, PHILIP R.

DOC DATE: 05/01/2002

ASSIGNOR:  
WORTHINGTON, JON

DOC DATE: 05/01/2002

ASSIGNEE:  
3DLABS INC., LTD.  
REID HALL  
HAMILTON HM11, BERMUDA

SERIAL NUMBER: 10071895  
PATENT NUMBER:

FILING DATE: 02/08/2002  
ISSUE DATE:

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(Rev. 6-93)

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1. Name of conveying party(ies):

Philip R. Laws, Jon Worthington

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Name: 3Dlabs Inc., Ltd.

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Address: Reid Hall, Hamilton HM11, Bermuda

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: May 1, 2002

4. Application number(s) or patent number(s): (Atty.Docket TD-164)

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/071,895

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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17000 Preston Rd. #230,  
Dallas TX 75248  
(972) 380-6333

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### ASSIGNMENT

As a below-named inventor of the U.S. patent application entitled **Rasterizer Edge Function Optimizations**, which names an inventorship of Philip R. Laws and Jon Worthington, and which was filed 02/08/2002 (MM/DD/YY) and received Serial No. 10/071,895, I hereby sell, assign and transfer to **3Dlabs Inc., Ltd.**, Reid Hall, Hamilton HM11, Bermuda, (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, reexamination or reissue thereof or any legal equivalent thereof in any foreign country for the full term or terms of which the same may be granted, and specifically including the right to file foreign applications and claim priority therefor under the provisions of any convention or treaty;

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and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

Assignment TD-164 ..... Page 1

Aug 31 04 11:48a

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01/05 2002 14:45 FAX 01784 470690

Groover & Associates

3D LABS

972-980-5841

972-380-4445

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p. 15

p. 5

AND I HEREBY AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on said invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor's Name: Philip R. Laws

Signature: Philip R. Laws

Residence Address: 19 The Oaks, Moormede Crescent, Staines, Middlesex TW18 4SH,  
United Kingdom

Today's Date, and Date Application Signed: 1st May 2002

Inventor's Name: Jon Worthington

Signature: S. Worthington

Residence Address: 4 Lea Way, Scarwood, Boumemouth, Dorset BF11 9NF,  
United Kingdom

Today's Date, and Date Application Signed: 1st May 2002

Assignment ID-164

Page 2

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Page 1 of 1



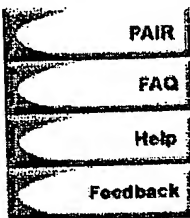
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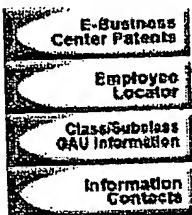
## PATENT APPLICATION INFORMATION RETRIEVAL



## Patent Assignment Abstract of Title



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Total Assignments: 1

Application #: 10071895 Filing Dt: 02/08/2002

Patent #: NONE

Issue Dt:

PCT #: NONE

Publication #: US20030128204

Pub Dt: 07/10/2003

Inventors: Philip R. Laws, Jon Worthington

Title: Rasterizer edge function optimizations

Assignment: 1

Reel/Frame: 012897/0460 Received: 05/20/2002

Recorded: 05/10/2002

Mailed: 07/18/2002

Pages: 5

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: LAWS, PHILIP R.  
WORTHINGTON, JON

Exec Dt: 05/01/2002

Exec Dt: 05/01/2002

Assignee: 3DLABS INC., LTD.  
REID HALL  
HAMILTON HM11, BERMUDACorrespondent: ROBERT GROOVER  
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